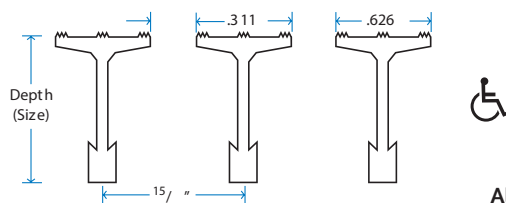


TD-626



Material: Extruded Aluminum Alloy 6063-T6 per ASTM B221

Fs = 12,000 psi

E = 10,000,000 psi

Bearing bars spaced 15/16 inches on center

of bearing bars per foot of grating = 12.8

Aluminum Safe Load Table

U = Uniform load in pounds per square foot

D = Deflection in inches

C = Concentrated load at mid span in pounds per foot of width

Size	Depth	Wt./sf.	Open Area
4	1"	3.4	33.20%
6	1-1/4"	4.1	33.20%
8	1-1/2"	4.4	33.20%
10	2"	5.1	33.20%

Maximum span for 1/4" deflection under uniform load of 100 psf

SPAN IN INCHES		12	18	24	30	36	42	48	54						
SIZE 4 1 X 0.626 S ³ /ft 0.627 I ⁴ /ft 0.333	53	U	5018	2230	1254	803	558	410	314	248					
		D	0.034	0.076	0.136	0.212	0.306	0.416	0.543	0.688					
		C	2509	1673	1254	1004	836	717	627	558					
		D	0.027	0.061	0.109	0.170	0.244	0.333	0.434	0.550	60	66			
SIZE 6 1 1/4 X 0.626 S ³ /ft 0.960 I ⁴ /ft 0.640	62	U	7680	3413	1920	1229	853	627	480	379	307	254			
		D	0.027	0.061	0.108	0.169	0.243	0.331	0.432	0.546	0.675	0.817			
		C	3840	2560	1920	1536	1280	1097	960	853	768	698			
		D	0.022	0.049	0.086	0.135	0.194	0.265	0.346	0.437	0.540	0.653	72		
SIZE 8 1 1/2 X 0.626 S ³ /ft 1.280 I ⁴ /ft 1.011	69	U	10240	4551	2560	1638	1138	836	640	506	410	339	284		
		D	0.023	0.051	0.091	0.142	0.205	0.279	0.365	0.462	0.570	0.690	0.819		
		C	5120	3413	2560	2048	1707	1463	1280	1138	1024	931	853		
		D	0.018	0.041	0.073	0.114	0.164	0.223	0.292	0.369	0.456	0.551	0.656	78	84
SIZE 10 2 X 0.626 S ³ /ft 2.010 I ⁴ /ft 2.086	83	U	16077	7145	4019	2572	1786	1312	1005	794	643	531	447	381	328
		D	0.017	0.039	0.069	0.108	0.156	0.212	0.277	0.351	0.433	0.524	0.625	0.733	0.849
		C	8038	5359	4019	3215	2679	2297	2010	1786	1608	1462	1340	1237	1148
		D	0.014	0.031	0.055	0.087	0.125	0.170	0.222	0.281	0.347	0.420	0.499	0.586	0.679

Bars	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
Width	1 9/16	2 1/2	3 7/16	4 3/8	5 5/16	6 1/4	7 3/16	8 1/8	9 1/16	10	10 15/16	11 7/8	12 13/16	13 3/4	14 11/16	15 5/8
	18	19	20	21	22	23	24	25	26	27	28	29	30	31	31	33
	16 9/16	17 1/2	18 7/16	19 3/8	20 5/16	21 1/4	22 3/16	23 1/8	24 1/16	25	25 15/16	26 7/8	27 13/16	28 3/4	29 11/16	30 5/8
	34	35	36	37	38	39										
	31 9/16	32 1/2	33 7/16	34 3/8	35 5/16	36 1/4										